

IN THE CLAIMS

Claims 1-32 (Canceled).

33. (previously presented) An endodontic dental reinforcement post comprising a bundle of non-metallic and non-woven fiberglass fibers in a cured resin, forming a reinforced plastic composite, said post being flexible, prefabricated, and adapted to extend from an apical end to a coronal end of a tooth canal.

34. (previously presented) The dental reinforcement post as in Claim 33 wherein said post is translucent.

35. (previously presented) The dental reinforcement post as in Claim 33 wherein said reinforced plastic comprises E-glass fibers.

36. (canceled)

37. (canceled)

38. (previously presented) The dental reinforcement post as in Claim 33 further comprising an epoxy resin.

39. (previously presented) The dental reinforcement post as in Claim 38 wherein said epoxy resin further comprises an opaquer composition.

40. (previously presented) The dental reinforcement post as in Claim 33 wherein said post has a rounded bottom end.

41. (canceled)

42. (previously presented) The dental reinforcement post as in Claim 33 further comprising at least one surface cut of about 50 to 100 micron depth to increase texturing.

43. (canceled)

44. (previously presented) The dental reinforcement post as in Claim 33 further comprising at least one groove of about 50 to 100 micron depth to increase texturing.

45. (previously presented) The dental reinforcement post as in Claim 33 further comprising at least one indentation of about 50 to 100 micron depth to increase texturing.

46. (previously presented) The dental reinforcement post as in Claim 42 further comprising at least one axially extending die drawn indentation of 50 to 100 micron depth to increase texturing.

Claims 47-49. (canceled)

50. (previously presented) The dental reinforcement post as in Claim 33 wherein said post is a dental reconstructive pin.

51. (canceled)

52. (previously presented) The dental reinforcement post as in Claim 33 wherein said post is polished at one end to direct light axially therethrough.

53. (previously presented) The dental reinforcement post as in Claim 33 wherein said reinforced plastic composite comprises a plurality of adjacent coaxially extending dental reinforcement fibers.

54. (previously presented) The dental reinforcement post as in Claim 53 wherein said post includes at least one axially extending facet for locking said post in position within an interior canal of a tooth.

55. (previously presented) A dental post and core device comprising a prefabricated, inelastic and flexible post, said post having a coronal end and an apical end, said post comprising a bundle of non-metallic and non-woven fiberglass fibers in a cured resin, forming a reinforced plastic composite, said fibers extending between the coronal and the apical end of said post.

56. (currently amended) The endodontic dental reinforcement post as in Claim 33 wherein said post has a flexibility ~~el~~osely approximating the flexibility of a tooth structure.

57. (currently amended) The dental post and core device as in Claim 55 wherein said inelastic post has a flexibility ~~el~~osely approximating the flexibility of a tooth.

58. (previously presented) The endodontic dental reinforcement post as in Claim 33 wherein said post is cylindrical.

59. (previously presented) The dental post as in Claim 33 wherein said post is tapered.

60. (previously presented) The dental post and core device as in Claim 55 wherein said post is cylindrical.

61. (previously presented) The dental post and core device as in Claim 55 wherein said post is tapered.

62. (canceled)

63. (canceled)

64. (previously presented) The dental reinforcement post as in Claim 33 wherein said post comprises a plurality of circumferential serrations.

65. (previously presented) The dental post and core device as in Claim 55 wherein said post comprises a plurality of circumferential serrations.

Claims 66-69. (canceled)

70. (previously presented) The dental reinforcement post as in Claim 38 wherein said epoxy resin comprises bisGma.

71. (previously presented) The dental reinforcement post as in Claim 33 wherein said bundle of fibers comprises S-glass.

72. (previously presented) The dental reinforcement post as in Claim 39 wherein said opaquer composition is a radio-opaque composition.

73. (previously presented) The dental reinforcement post as in Claim 72 wherein said radio-opaque composition is barium sulfate.

74. (previously presented) The dental post and core device as in Claim 55, wherein said reinforced plastic composite comprises S-glass fibers.

75. (previously presented) The dental post as in claim 55, wherein said reinforced plastic composite comprises a twisted bundle of fibers.

76. (previously presented) The dental reinforcement post as in Claim 33 wherein said reinforced plastic composite comprises a twisted bundle of fibers.

77. (currently amended) An endodontic dental reinforcement post for endodontic and reconstructive pin therapy comprising a fiberglass reinforced plastic composite consisting essentially of a bundle of fiberglass fibers, wherein said post is flexible, prefabricated, and adapted to extend from an apical end to a coronal end of a tooth canal.

78. (previously presented) A prefabricated dental post consisting essentially of bundles of fiberglass reinforced plastic fibers in a cured resin composite, wherein said bundles of fibers are twisted, and wherein said post is prefabricated such that said post is ready for insertion into the root canal.

79. (previously presented) The dental post of claim 78, wherein said post has a flexibility close to that of a tooth.

80. (previously presented) The dental post of claim 78, wherein said bundles of fiberglass reinforced plastic fibers comprise at least one non-axially aligned fiber.

81. (previously presented) The dental post of claim 78, wherein said bundles of fiberglass reinforced plastic fibers are equally dispersed throughout the post.

82. (previously presented) The dental post of claim 78, wherein said resin comprises a filler.

83. (previously presented) The dental post of claim 82, wherein said filler is radio-opaque.

84. (previously presented) The dental post of claim 78, wherein said resin comprises an epoxy resin.

85. (previously presented) The dental post of claim 85, wherein said epoxy resin is bisGMA.

86. (previously presented) The dental post of claim 78, wherein said resin comprises an opaquer composition.

87. (previously presented) The dental post of claim 86, wherein the opaquer composition is barium sulfate.

88. (previously presented) The dental post of claim 78, wherein said post is generally cylindrical.

89. (previously presented) The dental post of claim 78, wherein said post comprises a plurality of circumferential serrations.

90. (previously presented) The dental post of claim 78, wherein said post is translucent.

91. (previously presented) The dental post of claim 78, wherein said post has a diameter of between 0.36 to 0.70 inches.

92. (previously presented) The dental reinforcement post as in Claim 33 wherein said fiberglass reinforced plastic composite comprises S-glass fibers.

93. (new) The dental reinforcement post as in claim 33 wherein said post has a modulus of elasticity less than or equal to that of tooth dentin.

94. (new) The dental post and core device as in claim 55 wherein said inelastic post has a modulus of elasticity less than or equal to that of tooth dentin.

95. (new) The endodontic dental reinforcement post of claim 77 wherein said post has a modulus of elasticity less than or equal to that of tooth dentin.

96. (new) The dental post of claim 78 wherein said post has a modulus of elasticity less than or equal to that of tooth dentin.

97. (new) The dental reinforcement post as in claim 33 wherein said bundle of non-metallic and non-woven fiberglass fibers are loosely compacted and cured in said resin.

98. (new) The dental post and core device as in claim 55 wherein said bundle of non-metallic and non-woven fiberglass fibers are loosely compacted and cured in said resin.

99. (new) The endodontic dental reinforcement post of claim 77 wherein said bundle of fiberglass fibers are loosely compacted and cured in a resin.

100. (new) The dental post of claim 78 wherein said bundle of fibers are loosely compacted and cured in a resin.